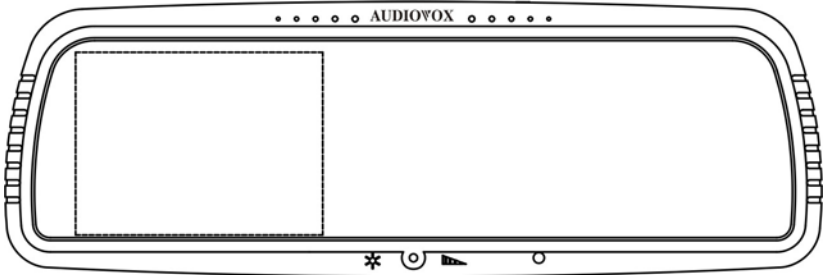




**AUDIOVOX®**  
**ELECTRONICS CORP.**

**Rearview Mirror with 4" Color LCD Monitor  
and Camera Package  
Model: RVMPKG4 (V2.0)  
Installation Manual**



**Features:**

- **Rearview Mirror with 4" LCD Monitor**
- **Built-In Speaker**
- **Rearview Camera Input**
- **Auxiliary Video Input**
- **Automatically Displays Backup Camera Image**
- **Camera**

# Warnings

The product is intended to assist in safe driving and to allow the driver to have a broader rearview while in reverse. You as the driver, are solely responsible for the safe operation of your vehicle and the safety of your passengers according to the country and their local traffic regulations. Do not use any features of this system to the extent it distracts you from safe driving. Your first priority while driving should always be the safe operation of your vehicle. Audiovox Electronics Corp. cannot accept any responsibility whatsoever for accidents resulting from failure to observe these precautions or safety instructions.

1. This product utilizes high voltage. Any unauthorized modifications or damage to the products may result in electrical shock. Handle all components with care. Inspect regularly for damage to components and cabling.
2. You shall be responsible to ensure that the installation of this product does not void or affect the vehicle manufacturer's warranty. Audiovox Electronics Corporation, or its subsidiaries are not liable in full or in part for improper installation resulting in loss or damage to your property, or for voiding all or part of the vehicle manufacturer's warranty.
3. Do not apply excessive force to any of the components contained within this kit. Excessive force used before, during or after installation that results in a damaged or non-functional part shall void all warranties.
4. Please follow the procedures in this installation manual. Improper installation or modification of this product shall void all warranties.

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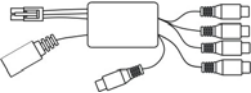
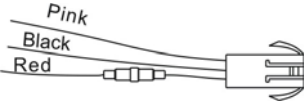

# Product Description



There is a blind spot that exists at the back of a vehicle while the vehicle is in reverse. Equipped with a camera, this electronic rearview mirror provides the driver with a clear and wide image of the area behind the vehicle whenever the vehicle is shifted into reverse.

## Backing up vehicle

Do not back up vehicle while watching the mirror/monitor screen. Always look in the direction of vehicle motion. Use the mirror/monitor as an aid in safety confirmation. The actual distance is shorter than it looks in the monitor. The range of image is limited. Beware of blind spots.

## Packing list

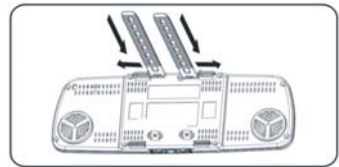
Item	Description	Figure
1	Rear View Mirror	
2	Control Box	
3	Power Cable	
4	Fastening Belts	

5	<p style="text-align: center;"><b>Rear View CMOS1 Camera</b></p> <p>Parts list included with camera installation manual</p>	
6	<p style="text-align: center;"><b>Camera Cable</b></p>	

## 1. Installation Instructions

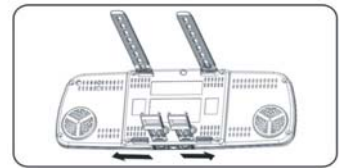
### (1) Mount the mirror/monitor

a). Take the two belts and slide them into the slots on the top rear of the mirror with the grooved side of the belt facing down.



**Figure 1**

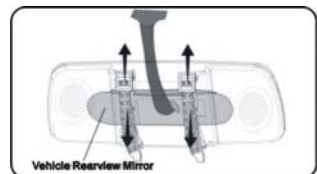
b). Take the buckles and slide them into the lower slots on the rear of the mirror with the buckle facing down toward the strap.



**Figure 2**

**NOTE:** The large open rectangle on the buckle will face away from the strap

c). Mount the new rearview mirror / monitor over the existing mirror. Slide the rearview mirror onto the existing mirror from one side with one strap mounted to the mirror. Then attach the other strap to the other side of the mirror. Securely tighten both straps on the mirror to prevent the mirror from falling off..



**Figure 3**

- d). Trim off excess length of the straps.
- e). Place (hide) the monitor cable behind the windshield trim piece down under the dash area.

## **(2) Wiring the Monitor**

- a) **RED FUSED WIRE: 12VDC ACCESSORY SOURCE**  
Connect this wire to a source that has 12 volts when the Ignition key switch is turned on, and 0 volts when the Ignition key switch is turned off.
- b) **BLACK WIRE: CHASSIS GROUND**  
Connect this wire to a solid, metal part of the vehicle's chassis.
- c) **PINK WIRE: GROUND WHEN PARKING BRAKE IS APPLIED**  
Connect this wire to the wire from the parking brake that turns on the parking brake light on the dash, this wire will have ground when the parking brake is pressed.

## **(3) Connect the mirror cable and power cable as shown in Figure 6 on page 10.**

## **2. Signal Inputs**

The signal input connections for the system include:

- (1) Rear Camera:** Connect the yellow & white RCA connectors to the same color RCA plug on the extension cable. Run the extension cable to the control box and connect the yellow & white RCA connectors on the extension cable to the RCA plugs on the control box. Connect the control box cable to the rearview mirror cable as shown in figure 6, on page 10.
- (2) Audio/Video Input Plugs:** RCA are located at the end of the control box. By connecting video and audio signals with these plugs. The user can watch the auxiliary video input **only when the parking brake is engaged.**

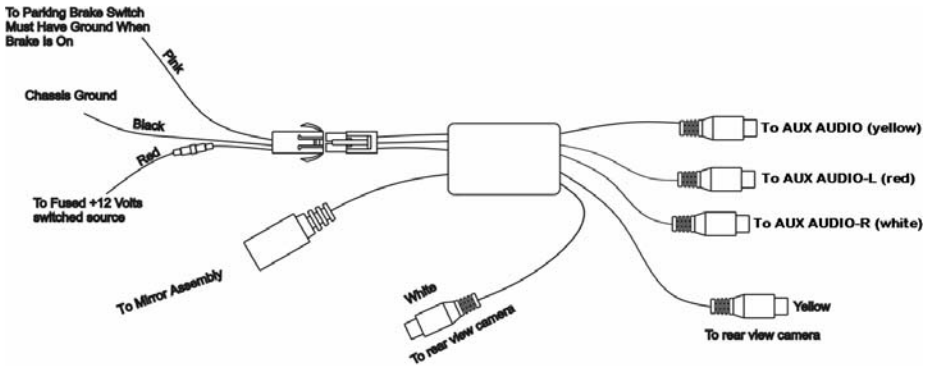


Figure 4

### 3. Controls and Indicators

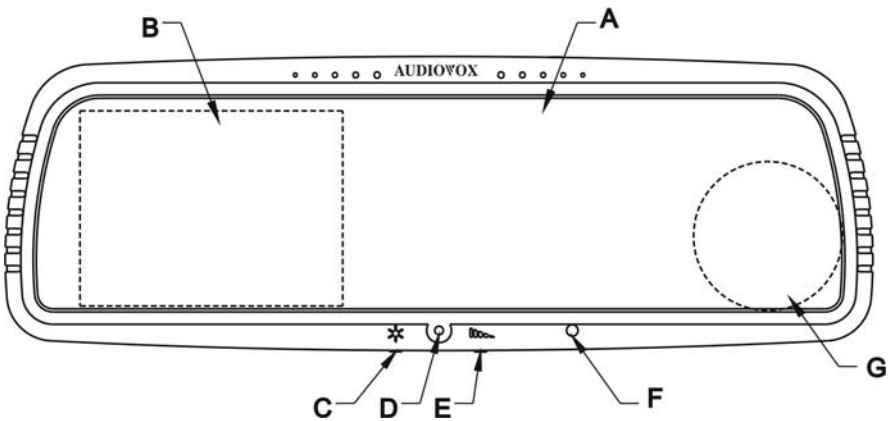


Figure 5

Figure 5 illustrates the controls and indicators of the RVMPKG4(V2.0) rear view mirror:

- |                            |                                               |
|----------------------------|-----------------------------------------------|
| A: Rearview mirror         | B: 4" LCD panel                               |
| C: Brightness control knob | D: Power indication (Red when ignition is on) |

**E:** Speaker volume control      **F:** Auxiliary input switch (see below)

**G:** Speaker in rear of mirror

## **Auxiliary Input Switch:**

**Auxiliary input switch:** To access the 2<sup>nd</sup> A/V input press the switch. Note:  
The parking brake must be engaged in order to view the 2<sup>nd</sup> input.

# **Specification**

## **General**

Power Supply	DC 12V
Power Consumption	10W
Current Draw	500mA
Video Input/Output	1Vp-p/75 Impedance
Audio Input	<=500mV
Audio Power Output	0.5W(16Ω)
Overall Dimension	11W X 3.75H X 1.25D inch

## **Display System**

Screen	4" TFT Color LCD
Brightness	250 nit
Contrast Ratio	150 : 1
LCD Viewing Angle	Top-10°, Bottom 30°, Left 45°, Right 45°
Resolution	960×234
Video Format	NTSC
Display Format	4 : 3



# Maintenance

Though your Rearview mirror requires little care, you can still maintain its condition and performance following the procedures below.

- Keep your system away from excessive moisture, extreme heat or cold and magnetic fields.
- Keep liquids away from the display mirror.
- To avoid damage, do not place auxiliary devices or other objects on the top of the mirror.
- Occasionally clean the surface of the mirror with soft cloth moistened with water or window cleaner.

# Troubleshooting

<b>Symptoms</b>	<b>Solutions</b>
The ON/OFF signal light <D> is not on after the car is started?	<ol style="list-style-type: none"><li>1. Check the installation-wiring diagram.</li><li>2. Ensure that the parallel red and black line from the control box is connected properly.</li></ol>
No video signal appears while reversing the car?	<ol style="list-style-type: none"><li>1. Check the LCD Contrast (Brightness) control knob whether the contrast knob is set too low</li><li>2. Check the rearview Camera lens.</li><li>3. Check the rearview Camera wiring and connection.</li><li>4. Check the cable from the rearview mirror is connected properly.</li></ol>
Video image is not sharp enough?	Clean the lens of the camera.

# Illustration of Connections

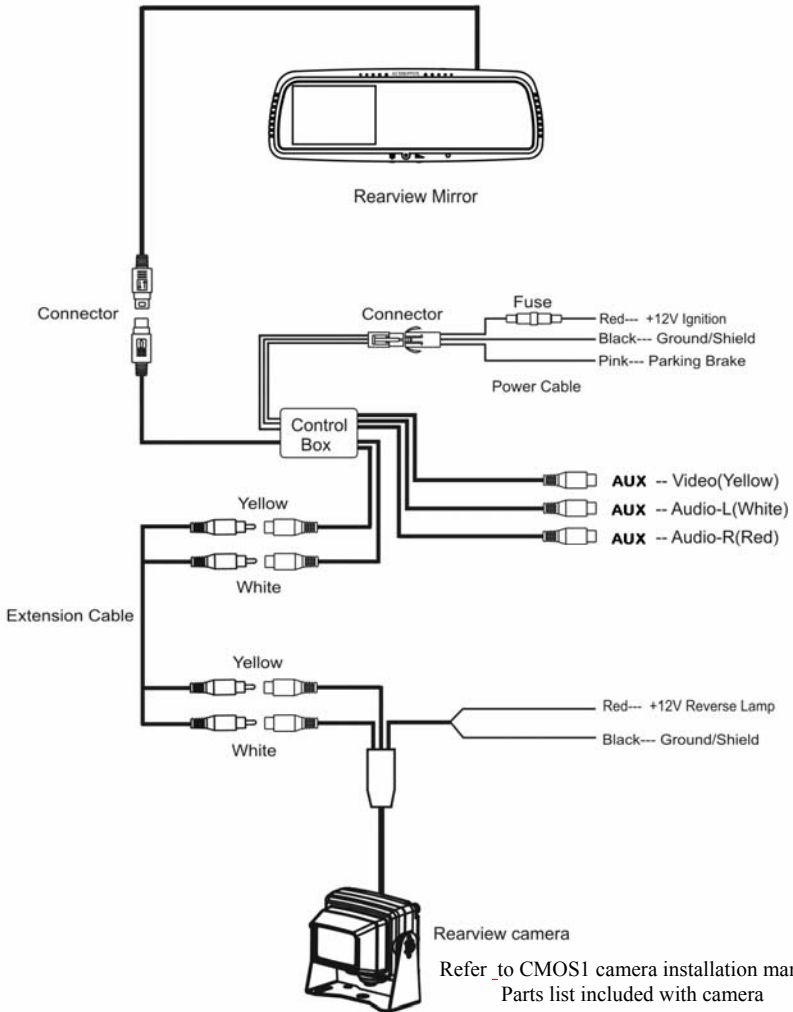


Figure 6



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